

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph starting at page 7, line 20 with the following:

In addition to its bearing function proper, the axial bearing 100 is used as an inductive type position detector without it being necessary to add any additional coil. This detection function is implemented in known manner as described above, i.e. by measuring the voltage across the terminals of each of the coils of the bearing electromagnet under conditions that ensure substantial proportionality with the displacement of the interposed body (rotor).